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PATENT  
4001-1227

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Frank ARNDT et al.

Conf. 5638

Application No. 10/590,962

Group 2874

Filed August 29, 2006

Examiner

CLADDING COMPRISING AN INTEGRATED POLYMER ACTUATOR FOR THE  
DEFORMATION OF SAID CLADDING

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the cited documents corresponding to International application PCT/DE2005/000381 and German application DE 10 2004 011 030.1 are made of record on the enclosed PTO Form-1449.

Copies of the cited foreign patent documents and/or non-patent literature are enclosed.

A concise explanation of the relevance of reference no. DE 22 59 749 is that this document concerns a mechanism for de-icing of a surface but this mechanism is not driven by a polymer actuator. The actuator of the document comprises two conductors which transform an electrical pulse to a mechanical movement. This movement deforms the surface of the component which is to de-ice. For this reason the surface consists of an elastic material, but this material is not an integral part of the actuator as it would be if a polymer actuator were used.

This Information Disclosure Statement is being submitted prior to issuance of an action on the merits; therefore, no fee is required. The Examiner is courteously requested to initial and return a copy of the Form PTO-1449 to confirm that the listed documents are being made of record and considered.

Respectfully submitted,

YOUNG & THOMPSON

A handwritten signature in black ink, consisting of a series of connected loops and peaks, resembling a stylized 'R' followed by several 'm' or 'n' shapes.

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RJP/tmp

December 1, 2006



# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.:

**4001-1227**

Application No.:

**10/590,962**

Applicant:

**Frank ARNDT et al.**

Filing Date:

**August 29, 2006**

Group Art Unit:

**2874**

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	22 59 749	06-20-1974	DE				
	2 296 306	11-30-95	GB				
	2 296 696	12-21-95	GB				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Ron Pelrine et al., "Application of Dielectric Elastomer Actuators". In: Smart Structures and Materials 2001, Proceedings of SPIE Vol. 4329 (2001) pages 335-349

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* English language abstract provided for the Examiner's convenience